I. AMENDMENT

Please make the following amendments:

In the Claims:

This Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of the Claims:

1-25. (Canceled)

26. (Currently Amended) A method for enhancing or inducing immunity to a viral infection comprising expressing a serpin mimetic in a cytotoxic T-lymphocytes of a subject by introducing an expression construct comprising a DNA segment encoding the serpin or serpin mimetic under the control of a promoter active in the cytotoxic T-lymphocyte, wherein the serpin or serpin mimetic is further defined as SPI6, PI-6, monocyte neutrophil elastase inhibitor (MNEI), PI-8, plasminogen activator inhibitor 2 (PAI-2), or a PI-9 mimetic.

27. (Previously Presented) The method of claim 26, wherein enhancing or inducing immunity comprises increasing the number of cytotoxic T-lymphocyte memory cells.

28. (Previously Presented) The method of claim 26, wherein enhancing or inducing immunity comprises augmenting cytotoxic T-lymphocyte function.

29. (Previously Presented) The method of claim 26, wherein enhancing or inducing immunity comprises augmenting cytotoxic T-lymphocyte memory cell development.

30. (Previously Presented) A method for enhancing or inducing immunity to a virus comprising:

a) obtaining a cytotoxic T-lymphocyte that comprises an expression vector that comprises a DNA segment encoding a serpin or a serpin mimetic under the control of a promoter active in the cytotoxic T-lymphocyte; and

b) administering the cytotoxic T-lymphocyte to a subject in need thereof.

31. (Previously Presented) The method of claim 30, wherein the expression vector is a viral expression construct.

32. (Previously Presented) The method of claim 31, wherein the viral expression construct is selected from the group consisting of a retrovirus, an adenovirus, an adeno-associated virus, a herpesvirus, a polyoma virus, and a vaccinia virus.

33. (Previously Presented) The method of claim 31, wherein the vector is a retroviral vector.

34. (Canceled)

35. (Previously Presented) The method of claim 30, wherein the serpin or serpin mimetic inhibits granzyme function.

36. (Canceled)

37. (Previously Presented) The method of claim 30, wherein the serpin or serpin mimetic is a serpin.

38. (Previously Presented) The method of claim 30, wherein the serpin is SPI6, PI9, PI-6, monocyte neutrophil elastase inhibitor (MNEI), PI-8, plasminogen activator inhibitor 2 (PAI-2).

39. (Previously Presented) The method of claim 38, wherein the serpin is SPI6.

40. (Previously Presented) The method of claim 38, wherein the serpin is PI9.

41. (Canceled)

42. (Previously Presented) The method of claim 30, wherein the virus is HIV, LCMV, HCV, HTLV-1, HTLV-2, EBV, HBV, human cytomegatovirus, Herpes simplex 1, Herpes simplex 2, hepatitis G, enterovirus, dengue fever virus, or rabies virus.

43. (Previously Presented) The method of claim 42, wherein the virus is HIV.

44. (Previously Presented) The method of claim 42, wherein the virus is LCMV.

45-47. (Canceled)

48. (Previously Presented) The method of claim 30, wherein inducing or enhancing immunity comprises increasing the number of cytotoxic T-lymphocyte memory cells.

49. (Previously Presented) The method of claim 30, wherein inducing or enhancing immunity comprises augmenting cytotoxic T-lymphocyte function.

50. (Previously Presented) The method of claim 30, wherein inducing or enhancing immunity comprises augmenting cytotoxic T-lymphocyte memory cell development.

51-60. (Canceled)

61. (Previously Presented) The method of claim 26, wherein the expression construct is a viral expression construct.

62. (Previously Presented) The method of claim 61, wherein the viral expression construct is selected from the group consisting of a retrovirus, an adenovirus, an adeno-associated virus, a herpesvirus, a polyoma virus, and a vaccinia virus.

63. (Previously Presented) The method of claim 62, wherein the expression construct comprises a retroviral vector.

64. (Canceled)

65. (Previously Presented) The method of claim 26, wherein the serpin or serpin mimetic inhibits granzyme function.

66. (Canceled)

67. (Previously Presented) The method of claim 26, wherein the serpin or serpin mimetic is a serpin.

68. (Canceled)

69. (Currently Amended) The method of claim [[68]]26, wherein the serpin is SPI6.

70. (Currently Amended) The method of claim [[68]]26, wherein the serpin is PI9.

71. (Previously Presented) The method of claim 26, wherein the virus is HIV, LCMV, HCV, HTLV-1, HTLV-2, EBV, HBV, human cytomegatovirus, Herpes simplex 1, Herpes simplex 2, hepatitis G, enterovirus, dengue fever virus, or rabies virus.

72. (Previously Presented) The method of claim 69, wherein the virus is HIV.

73. (Previously Presented) The method of claim 69, wherein the virus is LCMV.

74. (Previously Presented) The method of claim 30, wherein the serpin or serpin mimetic is PI9 or a PI9 mimetic.